

Isomerization of Tetranitroalkanes

S/020/60/132/04/31/064
B011/B003

tetrinitropropane (II) in a yield of 10.8 per cent. The authors wanted to see whether isomerization is only characteristic of 1,1,1,3-tetranitropropane. For this purpose they studied the behavior of 1,1,1,3-tetranitrobutane and 1,1,1,3-tetranitropentane toward bases. Unlike 1,1,1,3-tetranitropropane, these two tetranitroalkanes occur in two stable forms, a true and an acy form (see Scheme). The authors found that the acy form of tetranitrobutane (IIIa) may be easily isomerized to 1,1,3,3-tetranitrobutane (V) by the action of potassium acetate in alcohol (yield 34.5 per cent). Potassium methylate in methanol (yield 36.7 per cent) and alcoholic caustic potash (yield 12.1 per cent) have a similar effect. Isomerization also occurs in the presence of dimethylamine, but its yield does not exceed a few per cent. The true form of 1,1,1,3-tetranitrobutane (III b) is isomerized to 1,1,3,3-tetranitrobutane by the action of potassium acetate (yield 34.5 per cent); but unlike the acy form, not in the presence of potassium methylate. The acy form of 1,1,1,3-tetranitropentane (IV a) may be isomerized in the way described above, but only in the presence of potassium acetate. Thus, 1,1,3,3-tetranitropentane (VI) (yield 14.5

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Isomerization of Tetranitroalkanes

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per cent) is formed. The true form of 1,1,1,3-tetranitropentane (IV b) cannot be isomerized in the presence of alkaline agents. 1,1,1,3-tetranitrobutane and 1,1,1,3-tetranitropentane (both acy and true forms) are not isomerized either in the presence of ammonia. The authors establish that the acy forms isomerize more readily than the true forms. For this reason they assume that the isomerization of 1,1,1,3-tetranitroalkanes passes through the stage of the acy form. The isomerization products of (II), (III), and (VI) were obtained as potassium salts. By the action of bromine they were converted into the corresponding bromides. On the strength of the results obtained the authors draw the conclusion that isomerization accompanied by a shift of the nitro group represents a general reaction of the 1,1,1,3-tetranitroalkanes having a straight chain of carbon atoms. There are 3 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo
Akademii nauk SSSR (Institute of Organic Chemistry imeni
N. D. Zelinskogo of the Academy of Sciences, USSR)

Card 3/4

Isomerization of Tetranitroalkanes

S/020/60/132/04/31/064
B011/B003

PRESENTED: January 9, 1960, by A. V. Topchiyev, Academician

SUBMITTED: January 9, 1960

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Card 4/4

Hazard file, A.H.

81417

S/020/60/132/06/42/068
B004/B005

5,4130

AUTHORS:

Shidlovskaya, A. N., Syrkin, Ya. K., Corresponding Member
AS USSR, Novikov, S. S., Faynsil'berg, A. A.,
Sevost'yanova, V. V., Gulevskaya, V. I.

TITLE:

Dipole Moments of Some Halogen PolynitroalkanesPERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 6,
pp. 1376 - 1377

TEXT: To investigate the effect of an accumulation of nitro groups for polarity and chemical properties, the authors measured the dipole moments of the compounds $\text{CCl}(\text{NO}_2)_3$, $\text{CBr}(\text{NO}_2)_3$, $\text{CI}(\text{NO}_2)_3$, $\text{CH}_3\text{C}(\text{NO}_2)_3$, $\text{CH}_3\text{CH}(\text{NO}_2)_2$, $\text{CH}_3\text{CBr}(\text{NO}_2)_2$, $\text{CH}_3\text{CCl}(\text{NO}_2)_2$, and $\text{CH}_3\text{CHBr}(\text{NO}_2)$ in benzene at 25°C by the heterodyne method. Table 1 lists the investigated concentrations of substances, the sum of atomic and electron polarization, and the dipole moments. A comparison of the dipole moments of CH_3X and $\text{CX}(\text{NO}_2)_3$ (X - halogen) shows, for the halogen trinitromethanes, a small negative

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Dipole Moments of Some Halogen Polynitroalkanes S/020/60/132/06/42/068
B004/B005

charge in the chlorine compound, a small positive charge in the bromine-, and a strong positive charge in the iodine compound. In the C-I bond, the iodine is the positive end of the dipole. This is explained by the fact that in the presence of three C-NO₂ bonds the interaction between I and C is not limited to the formation of the C⁺-I⁻ bond. Iodine acts here as a donor of its undivided p-electron pair, and effects a further shift of electrons, and a partial transition of nitro groups into nitrito groups. This explains the chemical properties of halogen trinitromethanes described in Refs. 2-5. Besides, the methyl group becomes more positive by the vicinity of the three NO₂ groups which circumstance explains the behavior of 1,1,1-trinitroethane which is easily transformed (Ref. 6) into 1,1-dinitroethylene. The dipole moments of some geminal dinitro compounds are calculated from the experimental data. Also here a considerable decrease of the dipole moment of the carbon-halogen bond results in agreement with the experiment. There are 1 table and 6 references: 2 Soviet, 1 British, 1 German, and 2 American.

LX

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81417

Dipole Moments of Some Halogen Polynitroalkanes 8/020/60/132/06/42/068
B004/B005

ASSOCIATION: Institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova
(Institute of Fine Chemical Technology imeni M. V. Lomonosov).
Institut organicheskoy khimii im. N. D. Zelinskogo Akademii
nauk SSSR (Institute of Organic Chemistry imeni N.D.Zelinskiy
of the Academy of Sciences, USSR)

SUBMITTED: February 14, 1960

Card 3/3

SLOVETSKIY, V.I.; SHLYAPOCHNIKOV, V.A.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Molecular absorption spectra of nitro alkanes. Izv. AN SSSR. Otd.
khim. nauk no.2:330-337 F '61. (MIRA 14:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Paraffins—Spectra)

NOVIKOV, S.S.; FAYNZIL'BERG, A.A.; GULEVSKAYA, V.I.; SEVOST'YANOVA, V.V.

Synthesis and quantitative determination of α -halo nitro compounds.
Izv.AN SSSR Otd.khim.nauk no.4:672-677 Ap '61. (MIRA 14:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Nitro compounds)

SLOVETSKIY, V.I.; FAYNZIL'BERG, A.A.; GULEVSKAYA, V.I.; NOVIKOV, S.S.

Molecular absorption spectra of α -halo nitro alkanes. Izv.AN SSSR
Otd.khim.nauk no.4:683-690 Ap '61. (MIRA 14:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Paraffins--Spectra)

SLOVETSKIY, V.I.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Dissociation constants of gem-dinitroalkanes. Zhur. VKhO 6 no.6:
707-708 '61. (MIRA 14:12)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Paraffins) (Dissociation)

SLOVETSKIY, V.I.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Dissociation constant of trinitromethane. Zhur.VKHO 6 no.5:599-
600 '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo Akademii
nauk SSSR.

(Nitroform)

11/21/22
11/26/0
11/36/0

33986
S/062/62/000/002/011/013
B117/B138

AUTHORS: Slovetskiy, V. I., Shevelev, S. A., Faynsil'berg, A. A., and Novikov, S. S.

TITLE: Destructive effect of light on aliphatic nitro-compounds

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 2, 1962, 359 - 360

TEXT: In a study of the spectra of nitro-compounds it was found that nitro-alkanes and their salts are destroyed by light. A sample placed in a standard cuvette was illuminated by the lighting unit of an MCT-51 (ISP-51) apparatus. The wavelength of the mercury line examined was separated with standard light filters. To secure a standard amount of light energy during the experiments, the less intense lines were irradiated longer: 405 m μ - 10 hr; 436 m μ - 2 hr; 546 m μ - 3 hr. Conclusion: The closer the wavelength of light incident upon the substance is to the absorption maximum of this substance, the more intense is its decomposition. Daylight has a particularly destructive effect upon nitroalkanes. The effect of electric

Card 1/2

OKHLOBYSTINA, L.V.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Improved methods for producing α,ω -dinitroalkanes. Izv.AN
SSSR.Otd.khim.nauk no.3:517-518 Mr '62. (MIRA 15:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Paraffins) (Nitro compounds)

SHLYAPOCHNIKOV, V.A.; FAYNZIL'BERG, A.A.

Spectra and structure of halo derivatives of trinitromethane.
Izv. AN SSSR. Otd. khim. nauk no. 3:519-520 Mr '62. (MIRA 15:3)
(Nitroform) (Halogen compounds) (Spectrum analysis)

NOVIKOV, S.S.; SLOVETSKIY, V.I.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.

Spectrophotometric determination of the dissociation constants
of aliphatic nitro compounds. Izv.AN SSSR Otd.khim.nauk no.4:
598-605 Ap '62. (MIRA 15:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Nitro compounds) (Dissociation)

SLOVETSKIY, V.I.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Quantitative correlation between the induction constants of radical-substituents and physicochemical properties of nitro compounds. Izv.AN SSSR.Otd.khim.nauk no.6:989-995 '62.

(MIRA 15:8)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Nitro compounds) (Radicals (Chemistry))

SLOVETSKIY, V.I.; SHEVELEV, S.A.; YERASHKO, V.I.; FAYNZIL'BERG, A.A.;
NOVIKOV, S.S.

Structure of salts of 1,1-dinitroalkanes and trinitromethane.
Izv.AN SSSR.Otd.khim.nauk no.6:1126 '62. (MIRA 15:8)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Paraffins--Spectra)

SHLYAPOCHNIKOV, V.A.; SHEVELEV, S.A.; YERASHKO, V.I.; FAYNZIL'BERG, A.A.;
NOVIKOV, S.S.

Intensity of stretching N-O vibrations in nitro-alkanes and halogenated
nitro alkanes. Izv.AN SSSR.Otd.khim.nauk no.9:1684-1686 S '62.
(MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Paraffins—Spectra)

NOVIKOV, S.S.; BABIYEVSKIY, K.K.; SHEVELEV, S.A.; IVANOVA, I.S.; FAYNZIL'BERG, A.A.

Synthesis of 1,1,1,3-tetranitro-2-alkylpropanes and their cleavage
by the action of bases. Izv. AN SSSR. Otd. khim. nauk no. 10:1853-1855
O '62. (MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Propane) (Bases (Chemistry))

NOVIKOV, S.S.; SEVOST'YANOVA, V.V.; FAYNZIL'BERG, A.A.

Characteristic chemical properties of organic compounds containing positive halogen. Usp.khim. 31 no.12:1417-1436 D '62.
(MIRA 16:2)

1. Institut organicheskoy khimii AN SSSR imeni N.D.Zelinskogo.
(Organic compounds) (Halogens)

NOVIKOV, S.S.; SLOVETSKIY, V.I.; TARTAKOVSKIY, V.A.; SHEVELEV, S.A.;
FAYNZIL'BERG, A.A.

On the existence of aci-forms of 1,1-dinitroalkanes and
trinitromethane. Dokl. AN SSSR, 146 no.1:104-106 S '62,

(MIRA 15:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
Predstavлено академиком М.И. Кабачником.
(Paraffins) (Nitro compounds)

S/062/63/000/001/007/025
B101/B186

AUTHORS: Slovetskiy, V. I., Shevelev, S. A., Yerashko, V. I.,
Faynzil'berg, A. A., and Novikov, S. S.

TITLE: Spectrometric structural analysis of the salts of
1,1-dinitro alkanes and trinitro methane

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh
nauk, no. 1, 1963, 57-63

TEXT: A comparative study was made of the IR spectra of the lithium,
potassium sodium and ammonium salts of 1,1-dinitro methane, 1,1-dinitro
ethane, 1,1-dinitro propane, 1,1-dinitrobutane, 1,1-dinitro pentane,
1,1-dinitro hexane, 1,1-dinitrodecane, and trinitro methane, in order to
elucidate their structures. Results: All 1,1-dinitro alkanes have bands
at ~ 1450 , ~ 1210 , and $\sim 1120 \text{ cm}^{-1}$, but no bands characterizing the
stretching vibrations of N-O in the noncharged NO_2 groups exist in the
spectra of any of the compounds. The spectra of the salts show neither
the two bands in the region of 800 - 900 cm^{-1} that are found in free gem-
dinitro alkanes, whereof at least one is caused by the stretching vibra-

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Spectrometric structural ...

S/062/63/000/001/007/025
B1-01/B186

tions of the C-N bond, nor bands characteristic of the C=N bond. The nature of the cation has no effect on the spectrum except that in ammonium salts additionally NH_4^+ -ion bands appear as well as a weak 1580 cm^{-1} band produced by hydrolysis. Conclusion: All nitro groups are equivalent and participate similarly in the formation of the anion. Hence, the formulas of the salts are $[\text{RC}(\text{NO}_2)_2]^- \text{M}^+$ and $[\text{C}(\text{NO}_2)_3]^- \text{M}^+$. No carbanions are present. There are 2 figures and 5 tables. The most important English-language references are: N. Jonathan, J. Molecul. Spectra, 7, 105 (1961); L. W. Kissinger, H. E. Ungnade, J. Organ. Chem., 25, 1471 (1960).

ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR
(Institute of Organic Chemistry of the Academy of Sciences USSR)

SUBMITTED: March 26, 1962

Card 2/2

SEMIN, G.K.; FAYNZIL'BERG, A.A.

Nuclear quadrupole resonance of Cl³⁵ and Br⁷⁹ in halonitroalkanes.
Zhur. strukt. khim. 6 no.2:213-217 Mr-Ap '65. (MIRA 18:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR i Institut
organicheskoy khimii imeni Zelinskogo AN SSSR.

ROZANTSEV, G.G.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Advances in the chemistry of carbenes. Usp.khim. 34 no.2:177-218
F '65. (MIRA 18:5)

1. Laboratoriya khimii alifaticeskikh soyedineniy Instituta
organicheskoy khimii imeni Zelinskogo AN SSSR.

YERASHKO, T.I.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.

Convenient process of obtaining dichloro and dibromodinitro-methane. Izv. AN SSSR, Ser. khim. no.11:2060-2061 '65.
(MIRA 18:11)
I. Institut organicheskoy khimii im. N.N. Zelinskogo AN SSSR.

L 11/08/66 EWT(1)/EWT(m)/EWA(i)/EWP(j)/EWP(k) IJP(c) KW/JW/RH
ACC NR: AP6002102 SOURCE CODE: UR/0062/55/000/011/2063/2065

AUTHORS: Slovetskiy, V. I.; Okhlobystina, L. V.; Faynzil'berg, A. A.; Ivanov, A. I.;
Biryukova, L. I.; Novikov, S. S.

ORG: Institute of Organic Chemistry im. N. D. Zelinski, Academy of Sciences SSSR
(Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Spectrophotometric determination of the ionization constant of fluoro-dinitromethane

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 11, 1965, 2063-2065

TOPIC TAGS: ionization, fluorine compound, nitromethane / SF-4 spectrophotometer

ABSTRACT: Ionization constant of fluorodinitromethane (I) in water and absolute ethanol was determined spectrophotometrically according to the method described by V. I. Slovetskiy, S. A. Shevelev, A. A. Faynzil'berg, and S. S. Novikov (Zh. Vses. khim. ob-va im. D. I. Mendeleyeva, 6, 599, 707, 1961). The measurements were taken on a SF-4 spectrophotometer fitted with a thermostatic attachment. Concentration of I was kept within 2.2×10^{-5} to 5×10^{-5} mole/l. The measurements were taken in the region 365-395 m μ . Spectra of the species present in solution are shown in Fig. 1. Acidity of I was found to be 10^{-4} less than that of the parent dinitromethane. Entropy, enthalpy, and free energy were calculated.

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UDC: 543.422+541.132+547.232

ACC. NR.: AP6002102

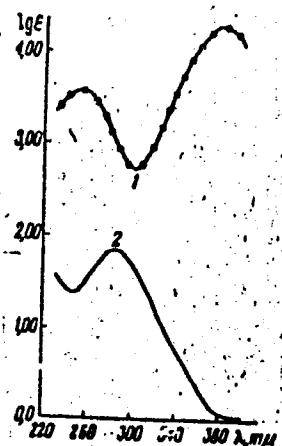


Fig. 1. UV spectra of fluorodinitromethane
in aqueous solution:
1 - anion; 2 - nondissociated
molecule.

Orig. art. has: 2 tables and 2 figures.

SUB CODE: 07/ SUBM DATE: 24Mar65/ ORIG REF: 004

BV/T
Card 2/2

LEGIN, G.Ya.; OKHLOBYSTINA, L.V.; FAYNZIL'BERG, A.A.

Preparation of individual dinitromethane and its physical properties. Izv. AN SSSR, Ser. khim. no. 12:2220-2221 '65.
(MIRA 18:12)

I. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
Submitted April 26, 1965.

L 17609-66 EWT(m)/EWP(j) JW/RM
ACC NR: AP6002703

SOURCE CODE: UR/0062/65/000/012/2220/2221

AUTHORS: Legin, G. Ya.; Okhlobystina, L. V.; Faynsil'berg, A. A.

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B

ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, Academy of Sciences,
SSSR (Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Preparation of free dinitromethane¹⁴⁴⁻⁵ and its physical properties

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1965, 2220-2221

TOPIC TAGS: organic synthetic process, nitromethane, hydrogen fluoride

ABSTRACT: Dinitromethane in free state was obtained by action of HF on the potassium salt of dinitromethane in ether. The reaction was performed in a steel flask, mixing the reagents for 2 hours at 0--5°C. After removal of the solvent, the residue was twice distilled, yielding a colorless mobile liquid, b.p. 39--40°C/2 mm, n_D^{20} 1.4480, d_4^{20} 1.524. The structure was confirmed by elementary analysis, infrared and UV spectra, and the determination of its molecular weight.

SUB CODE: 07/ SUBM DATE: 26Apr65/ OTH REF: 003

Cord 1/1 vmb

UDC: 547.232 Z

L 36505-66 EWT(m)/EWP(j)/T WV/JW/WE/RM

ACC NR: AP6017880

SOURCE CODE: UR/0062/66/000/005/0930/0932

AUTHOR: Ustynyuk, L. A.; Shevelev, S. A.; Faynzil'berg, A. A.ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, Academy of Sciences, SSSR
(Institut organicheskoy khimii Akademii nauk SSSR)TITLE: Effect of acylating agents on salts of 1,1-dinitroalkanes¹

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1966, 930-932

TOPIC TAGS: acylation, organic nitro compound, ethane, propane

ABSTRACT: The reactions of salts of gem-dinitroethane with the acylating agents acetyl chloride, acetic anhydride, acetyl nitrate, benzoyl chloride, methyl chloroacetate, and p-toluenesulfonyl chloride were all found to produce dinitroethyl ethylnitrolate $\text{CH}_3\text{C}(\text{NO}_2)=\text{N}-\text{O}-\text{C}(\text{NO}_2)_2\text{CH}_3$ (I). Its yield varied over a wide range with the conditions of the reaction, i.e., the nature of the solvent and cation, proportion of the reactants, and temperature. Thus, in the reaction of the potassium salt of gem-dinitroethane with acetyl chloride in polar solvents (acetone, acetonitrile, dimethylformamide), the yield of (I) was ~30%, but in solvents of low polarity, where the potassium salt is practically insoluble, (I) was not formed at all. If however the triethylamine salt of gem-dinitroethane, which is soluble in all these solvents, is introduced into the reaction, the formation of (I) in substantial quantities is always

UDC: 542.91 + 547.232

Card 1/2

L 36.05-66

ACC NR: AP6017880

observed. The effect of acylating agents, particularly acetyl nitrate, on salts of 1,1-dinitropropane was also studied. Like 1,1-dinitroethane, 1,1-dinitropropane under these conditions was found to yield a product of autoxidation, dinitropropyl propyl-nitrate $C_2H_5C(NO_2)=N-OC(NO_2)_2C_2H_5$.

SUB CODE: 07/ SUBM DATE: 08Oct65/ ORIG REF: 001/ OTH REF: 002

Card 2/2MLP

FAYNZIL'BER, M., inzh.-podpolkovnik

Noncontact fuses. Voen.znan. 34 no.3:21-22 Mr '58. (MIRA 11:4)
(Fuses (Ordnance))

GLUSHKOVA, I.S.; MIKHAYLOVSKIY, V.S.; PAYNZIL'BER, Ya.I.

Clinical aspects, diagnosis, and therapy of severe cerebrocranial injuries. Vop.neirokhir. 19 no.2:15-22 Mr-Ap '55. (MLRA 8:7)

1. Iz Instituta neyrokhirurgii Ministerstva zdravookhraneniya USSR
(HEAD, wounds and injuries,
clin. aspects, diag. & ther.)
(WOUNDS AND INJURIES,
head, clin. aspects, diag. & ther.)
- USSR

TRESHCHINSKIY, A.I. (Kiyev, ul. Otradnaya, d. 32); FAYNZIL'BER, Ya.I..
(Kiyev, ul. Otradnaya, d.32)

Neuralgic syndromes caused by lesions of the otic ganglion. Nov.
khir.erkh. no.2:68-71 Mr-Apr '57. (MLRA 10:8)

1. Nauchno-issledovatel'skiy institut nevrokhirurgii Ministerstva
zdravookhraneniya USSR
(NEURALGIA, FACIAL) (EAR--DISEASES)

FAYNZIL'BERG, I.

Moving-picture Theaters

Transferring the signal system for the auditorium to the projection room.
Kinomekhanik no. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

FAYNZIL' BERG, S. N.

Faynzil'berg, S. N. "Changes in temperature and the coefficient of heat emission along the ribs of the fin pipes," Izvestiya Kiyevsk. politekhn. in-ta, Vol. VIII, 1948 (on cover: 1949), p. 83-96

SO; U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

FAYNZIL BERG, S.N.

✓ 1674. NEW METHOD OF TEMPERATURE MEASUREMENT. Fainail'berg, S.N. and
Bukhar, S.B. (Ogneupory (Fireproof Hts., Moscow), 1955, vol. 20, 173).
When it is not practicable to send a car equipped with thermocouples through
the kiln (e.g. owing to its design or the temperature being too high) a
special electrical circuit for connecting thermocouples is recommended.
B.Cerni. R.A.

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Jul

FAYNZIL'BERG, S.N. (Kiyev)

Pin-shaped heat exchanger for heat regeneration in gas turbine
plants. Izv.AM SSSR, Otd.tekh.nauk no.5:107-109 My '56.

(MLRA 9:8)

(Heat regenerators)

SOV/124-57-4-4402

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 78 (USSR)

AUTHOR: Faynzil'berg, S. N.

TITLE: Investigation of the Influence of the Coefficient of Heat Conductivity of a Rib on the Heat Delivery of a Bank of Melting Tubes (Issledovaniye vliyaniya koeffitsiyenta teploprovodnosti rebra na teplootdachu puchkov iz plavnikovykh trub)

PERIODICAL: Izv. Kiyevsk. politekhn. in-ta, 1956, Vol 17, pp 122-124

ABSTRACT: Bibliographic entry

Card 1/1

S/124/62/000/003/014/052
D237/D301

AUTHORS: Faynzil'berg, S.N., and Ivanov, Yu.S.

TITLE: Methods of processing experimental data and determining air consumption in ventilation experiments with high and medium power electric motors

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1962, 44,
abstract 3B246 (Izv. Kiievsk. politekhn. in-ta, 1960,
129 - 139)

TEXT: A method of processing experimental data in determination of air consumption in ventilation experiments with high and medium power electric motors is presented. In view of the pronounced lack of uniformity of velocity fields in electric motors, the method is based on the detailed investigation of velocity fields across the entry ducts of electric motors. The method of calculating air consumption considered here is compared with other methods of data processing. [Abstractor's note: Complete translation].

Card 1/1

TOLUBINSKIY, V.I., doktor tekhn.nauk, prof.; BUTUZOV, A.I., kand.tekhn.nauk,
dotsent; FAYNZIL'BERG, S.N., kand.tekhn.nauk, dotsent

Use of stationary models for studying liquid and evaporation cooling
of the windings of electric generators. Izv. vys. ucheb. zav.;
energ. 4 no.10:92-97 O '61. (MIRA 14:11)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut.
(Electric generators--Cooling)

BUTUZOV, A.I.; MAZKA, S.A.; OSNACH, A.M.; ROMANOVSKIY, S.A.; FAYNZIL'BERG, S.N.

Utilizing the physical heat of blast furnace slags. Stal' 22
no. 7:668-670 Jl '62. (MIRA 15:7)
(Blast furnaces) (Heat regenerators)

MIGOVK, Ye.P. [Mihovk, E.P.]; YERES'KO, V.O. [IEres'ko, V.O.];
BOGATYREV, M.O. [Bohatyr'ov, M.O.], retsenzent;
FAYNZIL'BERG, S.N., retsenzent; GRINSHPON, F.O.
[Hrinshpon, F.O.], red.; MALYAVKO, A.V. tekhn. red.

[Laboratory work in general heat engineering] Laboratorni
robota z zahal'noi teplotekhniki. L'viv, Vyd-vo L'vivs'-
koho univ., 1960. 154 p. (MIRA 15:11)
(Heat engineering—Laboratory manuals)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7

FAYNAIL'BURG, S.N., kand.tekhn.nauk; ANTONOVICH, A.V., inzh.

Temperature fields of the model of an air cooled Tm 25-700-1 gas
turbine cylinder. Energomashinostroenie 10 no.1:14-17 Ja '64.
(MIRA 17:4)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"

BUTUZOV, A.I.; FAYNZIL'BERG, S.N.; LEONT'YEV, G.G.; BALITSKIY, S.A.;
DMITRIYEV, M.M.

Use of refrigeration in the coke and coal chemicals industry. Koks
i khim. no.7:37-40 '65. (MIRA 18:8)

1. Kiyevskiy politekhnicheskiy institut (for Butuzov, Faynzil'berg,
Leont'yev). 2. Donetskiy filial Nauchno-issledovatel'skogo i
proyekttnogo instituta metallurgicheskoy promyshlennosti (for
Balitskiy). 3. Ukrainskiy sovet narodnogo khozyaystva (for
Dmitriyev).

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7

~~FAYEZINGER, S.~~
~~FAYEZINGER, S.; KLIMENTKO, N.~~

Interindustry conference of efficiency promoters and inventors
of mining enterprises of the Office of Tin and the Office of
Molybdenum. TSvet.met. 28 no.4:74-75 Jl-Ag '55. (MIRA 10:11)
(Nonferrous metal industries)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7

FAYNZINGER, S.S.

Work practices of information organs of economic councils
and enterprises of the Ukraine. MTI no.4:8-9 '64.

(MIRA 17:6)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"

14/5-7
PETROV, B.V.; FAYNZINGER, S.S.

Results of the competitions in enterprises of the nonferrous metal industry. Izobr.v SSSR 2 no.7:42 J1 '57. (MLRA 10:7)
(Nonferrous metal industries--Competitions)

AUTHOR: Faynzinger, S.S. SOV/136-59-6-21/24

TITLE: On the Work of the Commission on the Complex Utilisation of Ores of Non-ferrous Metals (O rabote komissii po kompleksnomu ispol'zovaniyu rud tsvetnykh metallov)

PERIODICAL: Tsvetnyye metally, 1959, Nr 6, pp 95 - 96 (USSR)

ABSTRACT: On March 3, 1959, the first organised meeting of the continuous commission took place, when an address was heard by the representative of Gosplan RSFSR - G.N. Sherer - on the development of non-ferrous metallurgy in the period 1959 - 1965 in the RSFSR. The plan of the projected work of the commission was discussed and agreed. Particular attention will be given to the exploitation of new sources of copper and copper-zinc ores. In order to attract a wide circle of scientists to a discussion on the complex utilisation of ores, several meetings will take place in the Urals. The enriching section will study in detail the preparation of thinly dispersed cassiterite and stannite at the Sikhote-Alin'skiy kombinat (Sikhote-Alin' Combine) where the extraction of tin is at present very low. Special importance will be given to co-operation

-Card1/2

SOV/136-59-6-21/24

On the Work of the Commission on the Complex Utilisation of Ores
of Non-ferrous Metals

between non-ferrous works and chemical industry. Up to the present time, all the zinc concentrate of the Primorsk Works is taken elsewhere for treatment. It contains large quantities of sulphur. The development of an electric station enables a chemical-metallurgical combine to produce zinc, lead, rare metals and their compounds using sulphuric acid. 11 million roubles per year will be saved on transport costs. Successful introduction of the complex utilisation of mineral sources is one of the main factors in fulfilling the seven-year plan for non-ferrous and rare metals.

Card 2/2

PAYNZINGER, S.S.

Experience of economic councils in saving nonferrous and ferrous
metals. Biul.tekh.-ekon.inform. no.11:70-71 '60. (MIRA 13:11)
(Economic councils)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7

FAYNZEK, S.S.

Council of innovators of the Leningrad Economic Council. Biul.toch.-
ekon.inform. no.1:76-77 '61. (MIA 14:2)
(Leningrad—Technological innovations)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"

FAYNZINGER, S.S.

Interdepartmental Committee on the introduction of rare metals
into the national economy. Biul. tekhn.-ekon. inform. no. 2:72
'61. (MIRA 14:2)

(Metals, Rare and minor)

FAYNZINGER, S.S.

Suggestions of innovators in the economic councils of the R.S.F.S.R.
Biul.tekh.-ekon.inform. no.6:75-77 '61. (MIRA 14:6)
(Technological-Innovations)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7

FAYNZINGER, S.S.

Introducing zirconium paint for preventing sand burning in founding.
Biul.tekh.-ekon.inform. no.9:9-12 '61. (MIRA 14:9)
(Founding--Safety measures)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"

FAYNZINGER, S.S.

Work of the central offices of technical information of the economic councils of the Russian Federation under the new conditions. Opyt. rab. po tekhn. inform. i prop. no. 3:3-5 '63.

(MIRA 16:12)

1. Starshiy inzh. Gosudarstvennogo komiteta Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot.

FAYNZINGER, S.S.

Practices of methodological sections of central office of
technical information in economic councils of the R.S.F.S.R.
NTI no.9:8-9 '64. (MIRA 18:2)

FAYNZINGER, S.S.; STAROBINSKAYA, N.G.

Conference of Supervisors of Information Organs of the Economic
Councils of the R.S.R.S.R. NTI no.1:18-19 '65.

(MIRA 18:6)

SHIDLOVSKAYA, A.N.; SYRKIN, Ya.K.; NOVIKOV, S.S.; FAYNZUL'BERG, A.A.;
SEVOST'YANOVA, V.V.; GULEVSKAYA, V.I.

Dipole moments of some halopolynitroalkanes. Dokl.AN SSSR
132 no.6:1376-1377 Je '60. (MIRA 13:6)

1. Institut tonkoy khimicheskoy tekhnologii im. M.V.Lomonosova i
Institut organicheskoy khimii im. N.D.Zelinskogo Akademii nauk
SSSR. 2. Ohlen-korrespondent AN SSSR (for Syrkin).
(Paraffins—Dipole moments)

POTOTSKIY, I. I., professor (Krasnodar); FAYRUZOV, R.Z.

Suppurative diseases of the skin in workers of machine-tractor stations. Vest. ven. i derm. no. 4:37-38 J1-Aug '54. (MLRA 7:8)

1. Zaveduyushchiy Medvedovskim venerologicheskim punktom (for Fayrusov)
(PYODERMA, epidemiology
*in tractor workers)
(OCCUPATIONAL DISEASES,
*pyoderma in tractor workers)

VANYUSHIN, B.F.; FAYS, D.

Nucleotide composition and ribonucleic and deoxyribonucleic acid content in the pollen of some plants. Biokhimia 26 no.6:1034-1039 N-D '61. (MIRA 15:6)

1. Faculty of Biology and Soil Science, State University,
Moscow.

(NUCLEOTIDES)

(POLLEN)

(NUCLEIC ACIDS)

KRITSKIY, M.S.; KULAYEV, I.S.; MAYOROVA, I.P.; FAYS, D.A.; BELOZERSKIY, A.N.

Translocation of phosphates in the sporophores of meadow mushrooms. Biokhimia 30 no.4:778-789 Jl-Ag '65.

(MIRA 18:8)

1. Institut biokhimii imeni A.N. Bakha AN SSSR i biologopochvennyy fakul'tet Gosudarstvennogo universiteta imeni M.V. Lomonosova, Moskva.

IONESCU-STOYAN, P.; FAYT, I.; STANCHIU, N.; SAVOPOL, Ye.; KRUCHANU, I.
(Bukharest)

Mechanization of some technical processes in pharmacy. Apt. delo 11
no.1:75-79 Ja-F '62. (MIRA 15:4)
(PHARMACY--EQUIPMENT AND SUPPLIES)

FREYKA, B., prof.; FAYT, M., kand.med.nauk

Stimulation of growth in a shortened lower extremity. Ortop.travm.
i protez. 20 no.1:49-53 Ja '59. (MIRA 12:3)

1. Iz ortopedicheskoy kliniki v Brono.
(LEG, abnorm.
shortening, surg. (Rus))

FAYT, V.A., inzh.; Li, V.B., inzh.

Hard alloys for hard facing the teeth of sawmill machines.
Svar. proizv. no.6:22-23 Je '65. (MIRA 18:8)

1. Bazovaya svarochnaya laboratoriya Krasnoyarskogo soveta
narodnogo khozyaystva.

LEBKOV, Aleksey Mikhaylovich, dotsent; FAYTEL'BERG, A.G., redaktor;
ANAN'IN, B.I., redaktor izdatel'stva; TIKHONOVA, Ye.A., tekhnicheskiy redaktor

[Ways of prolonging the life of hulls of seagoing vessels; decks
and platforms] Puti uvelicheniya sroka sluzhby korpusov morskikh
sudov; paluby i platformy. Moskva, Izd-vo "Morskoi transport,"
1956. 229 p.

(MLRA 9:8)

(Merchant ships--Maintenance and repair)

FAYTEL'BERG, R.O.

CA

111

Absorption of water, 0.3% hydrochloric acid, gastric juice, ethyl alcohol and various chlorides by the dog's isolated stomach. B. C. KATTELMANN. *Arch. J. Physiol.* 13, 224-31 (1903).—From 21 to 31% of water introduced into the isolated small stomach of the dog is absorbed within 60 min. Add. of HCl to 0.3% or of NaCl to 0.9% reduces the percentage absorption to about 17%. Natural gastric juice in some cases undergoes resorption, accord. with diminution in acidity. The abs. but not the relative amt. of chlorides absorbed from hypertonic saline, increases with gastric. Absorption of alc. from 10 and 20% saline, is complete within 60 min., and amounts to 90% in the case of 40% alc. saline. The velocity of absorption of chlorides and of alc. is greatest during the 30 min. following introduction.
B. C. A.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

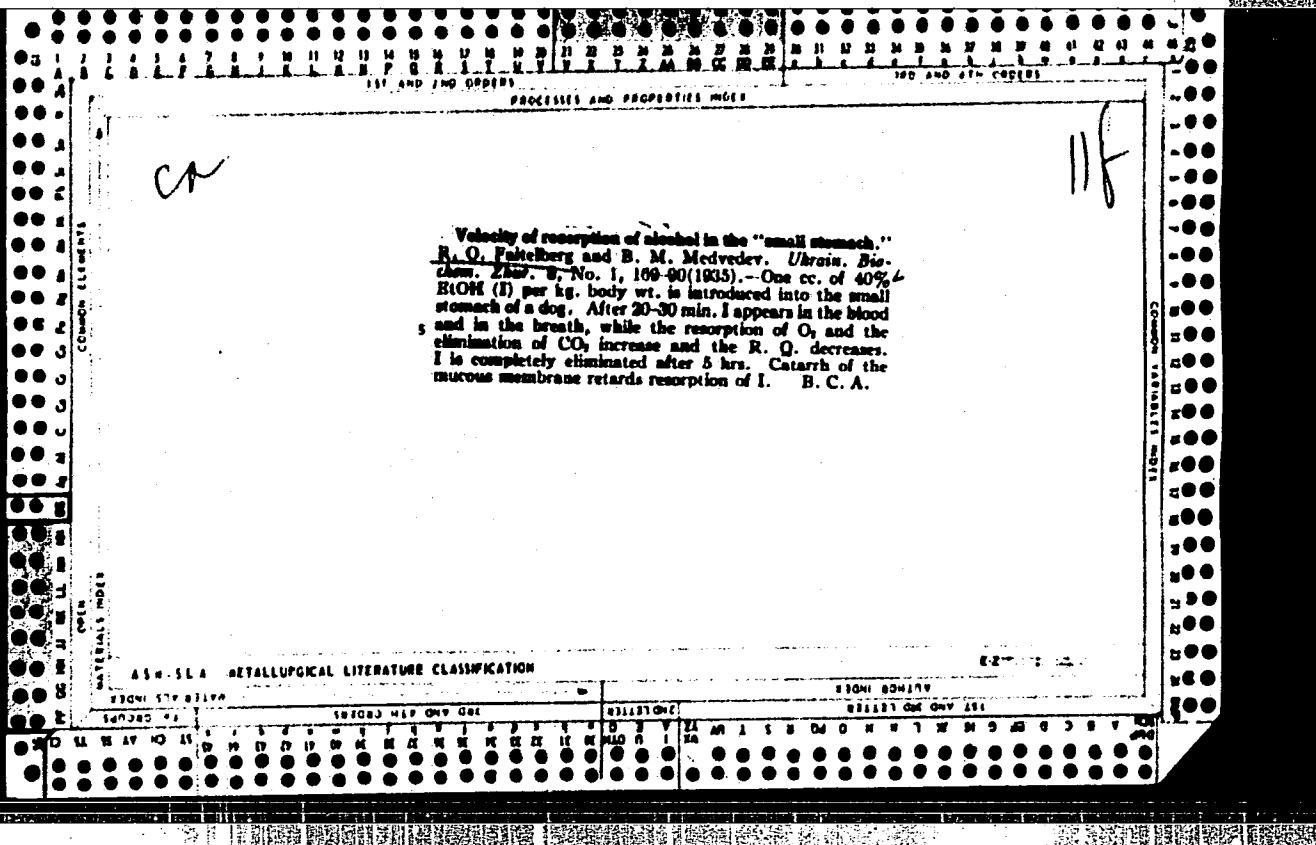
FROM 110-8314

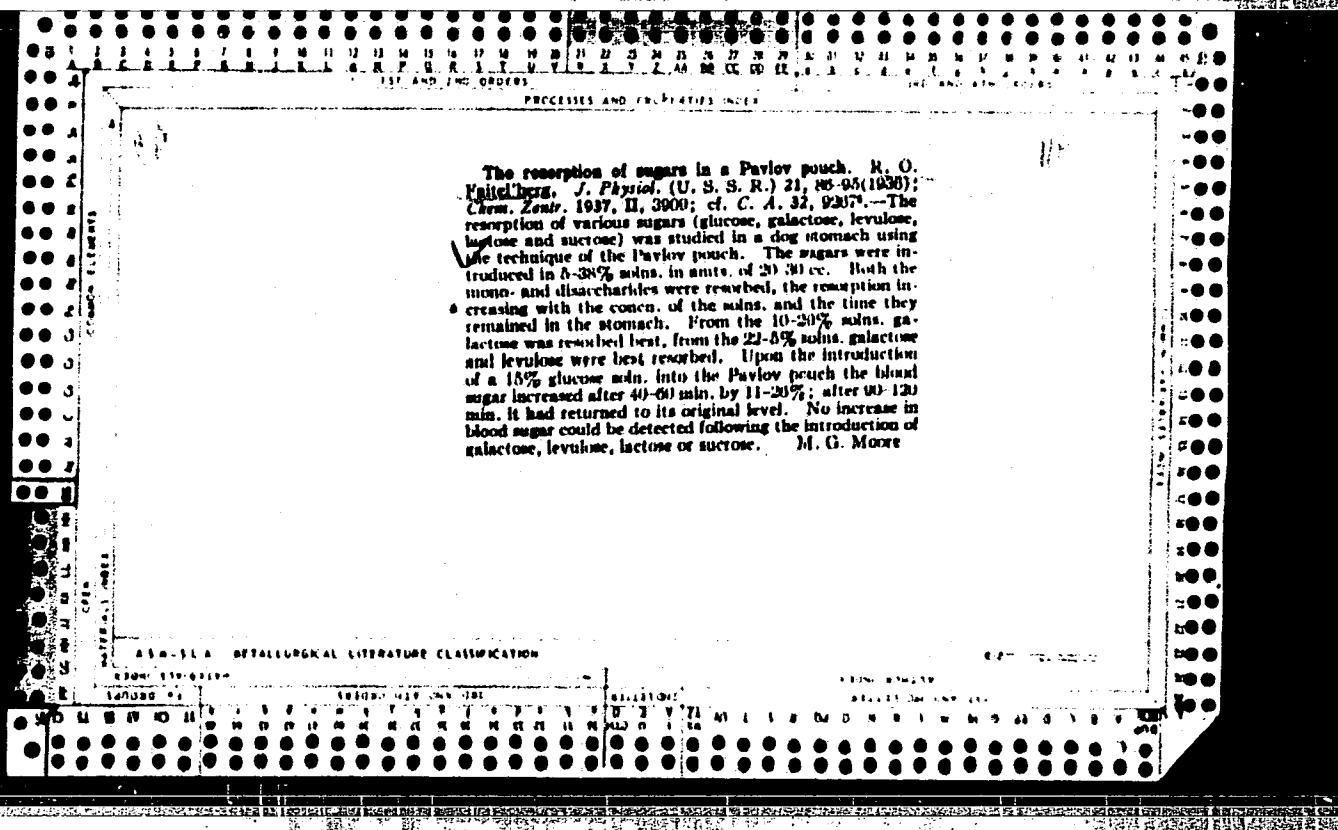
8-2-1964

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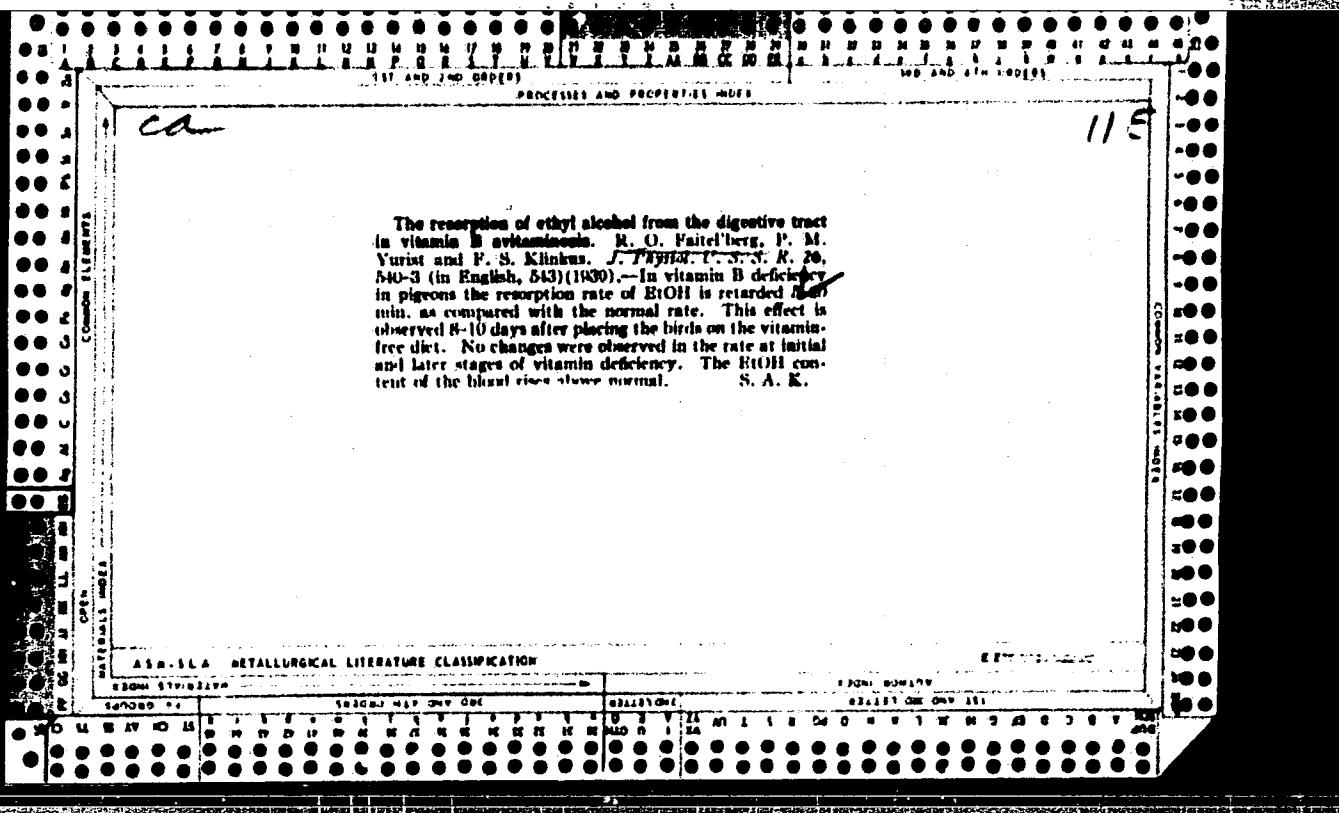
The influence of phosphates on the absorption of sugars in the stomach. B. M. Medvedev and R. O. Faitel'berg. *J. Physiol.* (U. S. S. R.) 23, 649-677 (in English) 1937 (1937).—The absorption of sugars from phosphate saline was studied in stomachs isolated by Pavlov's method. The absorption of glucose from phosphate soln. takes place more readily than from aq. soln. if the ρ_h is in the range 4.0-8.0. The absorption of galactose is unchanged while that of fructose and lactose is decreased under the same conditions. This increased absorption is due to changes in the permeability of the stomach mucous membrane. The degree of absorption varies directly with the concn. of the sugar soln. The soln. at the end of the expt. is always neutral, regardless of whether the initial soln. had an acid or an alk. reaction.

S. A. Karjala

ASA-SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"



FAITELBERG, R.

"A short review of the scientific session, which was held in Moscow, March 1-4, 1946.
(p.47) by Faitelberg, R.

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XXI, No. 3, 1946

POGODAYEV, K.I.; TUROVA, N.F.; FAYSFEL'D, L.I.

Activity of proteolytic enzymes of the brain in white rats
after freezing. Trudy l-go MMI 26:375-378 '63.
(MIRA 17:2)

FAYTEL'EERG, R.O.

20995 Faytel'berg, R.O. i Shapiro, A.A. Vliyaniye izmeneniy Temperatury Krobina deyatel'nost pochek trudy Odes. S-Kh in-ta, t.v., 1948, s. 129-34--Bibliogri 9 Nazv.

SO: LETOPIS ZHURNAL STATEY- Vol. 28, Moskva, 1949

FAYTEL' BERG, R.O.

Mbr., Chair Animal Physiology, Odessa Agric. Inst., -1948-.

Mbr., Chair Physiology., Odessa Pharmaceutical Inst. -c1948-.

"Effect on the Absorption of Glucose in the Stomach When an Individual Section of the
Vegetative Nervous System is Severed," Fiziol. Zhur. SSSR, 34, No 3, 1948

"The Influence of Changes in the Temperature of the Blood on the Activity of the Kidney,"
ibid., No. 5, 1948

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7

30922. FAYTEL'BERG, R. O.

O vsasyvanii v zheludke. Vracheb. delo., 1949, No. 10, stb. 903-06.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"

CA

117

Gastric absorption. R. O. Paltel *Berg, Updeki, Nov., 1959*. Rates and modes of absorption by cat, dog, calf, and human stomachs are reviewed for water, salts, carbohydrates, proteins, fats, EtOH, HCl, AcOH, salicylic acid, dyes, and drugs. Endocrine effects and neuroregulation are considered. 58 references.
Julian P. Smith

1951

FAYTEL'BERG, R.O.; OCHAN, S.I.; PORTNOYI, L.

Junction of salivary glands in stimulation of pleural receptors. Medich.shur.
22 no.4:84-90 '52. (MIRA 6:10)

1. Odessa'sil's'kohospodars'kyi instytut. (Pleura) (Salivary glands)

FAYTELBERG, R. O.

258T13

USSR/Medicine - Brucellosis, Immunity Mar 53

"Dynamics of Immunobiological Reactions in Guinea Pigs Immunized With Live Antibrucellosis Vaccine Under Different Conditions of the Nervous System," V. P. Tul'chyn's'kaya, R. O. Faytelberg, I. V. Aplyak

Mikrobiol Zhur, Vol 15, No 1, pp 5-10

Simultaneous injection of attenuated living anti-brucellosis vaccine and caffeine effected in guinea pigs a more rapid appearance and subsequent rapid fall of the opsonophagocytic and

258T18

macrophagocytic reactions as well as agglutinin and precipitin titers than the injection of vaccine alone. Since bromine has an inhibitory effect on the cortex of the brain, the attendant immunobiological reaction appears late and lasts longer. The opsonophagocytic and macrophagocytic reactions reflect more clearly the reactions of the organism of guinea pigs to the living attenuated antibrucellosis vaccine than either the agglutinin or precipitin reaction.

(CA 47 no. 15: 7636 '53)

FATTEL'BERG, R. I.

Absorption of glucose in the stomach of swine. R. I. Fattel'berg and L. M. Mitnik (Odessa Agr. Inst.). *Ukrain. Biokhim. Zhur.* 25, 332-40 (in Russian, 340-1) (1953).
To det. the absorption of sugar by the stomach of the pig, and the influence of the endocrine glands on the absorption, 6-8-month-olds were subjected to tests. Part of the stomach was isolated, washed with H_2O , and 25 mg. of 20% glucose soln. was introduced (at 37-38°). After 1 hr. the soin. was removed, the stomach washed out and the amt. of residual sugar indicated an absorption of 16.62-23.05%. Endocrine preps., which act on the central nervous system alter the intensity of absorption. Pituitrin P given subcutaneously 30 min. before the sugar retarded the absorption; insulin intensified it; folliculin (1 ml.) had no appreciable effect. B. Cutoff

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7

FAYRELL BERG, R.O.

Dynamics of immunobiological reactions in guinea pigs
immunized with live antibrucellosis vaccine under different
conditions of nervous system Y. P. Tulchinskaya,
Pulevberg, and I. V. Aptek Zdrav. Vizn. 1964 No.
11/12/1964 Immunobiol. 1964 No. 1-23. Tsvetkov, Sver-
dlovsk 1964 67 72386

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520019-7"

USSR/Medicine - Physiology

FD-929

Card 1/1 Pub 33-12/29

Author : Faytel'berg, R. O. and Dushko, D. N.

Title : Changes in the motor activity of the stomach during artificial pneumothorax

Periodical : Fiziol. zhur. 40, 338-343, May/Jun 1954

Abstract : Experiments were conducted on 2 dogs to ascertain whether change in periodic hunger contractions of the stomach takes place when brain function is altered after excitation of pleura receptors by injecting air into the pleural cavity. It was discovered that when air is injected into pleural cavity during early period of hunger contractions, the amplitude and frequency of each contraction and the duration of contraction period is increased and the period of relative rest is reduced. Rest period can be prolonged by injection of air into pleural cavity at the end of hunger contraction period or during the period of relative rest. When pressure in the pleural cavity approaches zero the shifts in periodic motor activity of the stomach become more pronounced. Tables. Diagrams. Five Soviet references.

Institution : Chair of Physiology of Agricultural Animals, Odessa Agricultural Institute

Submitted : December 31, 1952

FAYTEL BERG, R. O.

The effect of the chronic administration of bromide and caffeine on the absorption of glucose in the stomach. R. O. Faytel'berg (Agr. Inst., Odessa). *Fiziol. Zhur.*, No. 1, No. 6, 68-75 (Russian summary, 75) (1955).—Expts. were performed with dogs with Pavlov stomachs. Into the stomach was introduced 20 ml. of 20% soln. of glucose kept at 37-38°. Animals were allowed to rest for 60 min. The stomach content was then aspirated and its sugar content detd. The difference between the amt. of sugar introduced and recovered was taken as the amt. of glucose absorbed in the stomach under normal conditions. Then, for a period of 3-4 weeks some dogs were given daily intravenous injections of NaBr soln. at the rate of 0.07-0.1 g./kg., while other dogs received subcutaneous injections of caffeine in the form of its Na benzoate salt at the rate of 1 ml. of a 10% soln. Prolonged (chronic) injections of NaBr lowered the absorption of glucose in the stomach of the dog. The higher the dose of the Br the shorter was the time required for this effect to occur. The effect of caffeine injection on the glucose absorption varied from that of considerable increase to no effect. However, such effect is of short duration. Continued injections produce decided neg. effects on the sugar absorption in the stomach due, it is presumed, to the overstimulation and resulting fatigue of the cortical brain cells. B. S. Levine

USSR / Farm Animals. General Problems

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21437

Author : Faytel'berg R. O., Vengrzhanskii P. N.
Inst :

Title : Measures to Increase the Content of Vitamin A in
Cattle (Meropriyatiya po povysheniyu soderzhaniya
vitamin A v organizme krupnogo rogatogo skota)

Orig Pub: V pomoshch' s. kh. i rybovodstvu. Vyp. I Odessa,
1956, 47-48

Abstract: It was established that the content of vitamin A
in the blood of cows decreases sharply in the month
of January. In case of carotene deficiency in the
feed rations, it is recommended to inject cows one
month before calving with 150,000 units of concentrate
vitamin A, every other day and reproducing cows with
100,000 units every other day.

Card 1/1

USSR/Human and Animal Physiology. Digestion. The Intestines. T-7

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55768.

Author : Fnitel'berg, A. O., Volyn, Z. M., Alekseyeva, Z.I.
Inst : University of Odessa.
Title : Simultaneous Absorption of Carbohydrates, Peptones,
and Chlorides by the Small Intestine in Sheep.

Orig Pub: Nauch. yezhegodnik. Odessk. un-ta, 1956, Odessa,
1951, 232-233.

Abstract: In sheep with a severed small intestinal loop according to the method of Tiriy, the following substances were absorbed during a 30 minute period: 8-20 percent of Cl from a 9 percent or a 2 percent solution of NaCl; 6-30 percent of glucose (I) from a 5 percent solution of I; 18-29 percent of I from

Card : 1/2

USSR/Human and Animal Physiology. Digestion. The Intestines.

T-7

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55768.

a 10 percent solution of I. In combined administrations of isotonic solutions of NaCl and I, the absorption of I increased significantly, while the absorption of Cl ceased. In combined administrations of a 2 percent NaCl solution and a 5 percent solution of I, the absorption of I and Cl increased. An especially large increase in the absorption of Cl and I occurred after combined administrations of NaCl solutions and a 10 percent I solution. When the glucose solution was administered in combination with a peptone solution, the glucose absorption decreased.

Card : 2/2

124

USSR/Human and Animal Physiology. Digestion. The Intestines.

T-7

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55767.

Author : En'tel'berg, R.O., Stambol'skiy, M.M.

Inst : University of Odessa.

Title : Glucose Absorption by the Stomach and the Intestines
in the Presence of Painful Irritations.

Orig Pub: Nauchn. yezhegodnik. Odessk. un-t, 1956. Odessa,
1957, 231-232.

Abstract: A painful irritation of the posterior extremity
in dogs (4 dogs with one isolated Pavlov ventricle,
and 4 dogs with isolated Tiry loops), which was
produced by induction current, intensified glucose
absorption by the gastrointestinal tract. Also,
intensification of the absorption conditioned
reflex was observed.

Card : 1/1

123

FAYTEL'BERG, R.O.; SEMENYUK, L.A.

Interoceptive relationship between small and large intestines in sheep. Biul. eksp. biol. i med. 41 no.2:23-26 F '56, (MLRA 9:6)

1. Iz kafedry fiziologii cheloveka i zhivotnykh (zav.-prof. R.O. Faytel'berg) Odesskogo gosudarstvennogo universiteta. Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

(INTESTINES, physiology,

absorp., interoceptive relationship between small & large intestines in sheep (Rus))

FAYTEL' BERG, R.O.; SEMENYUK, L.A.; RYABOVA, L.A.

Effect of interoception in the small intestine on the secretion of pancreatic juice and bile in sheep [with summary in English]. Fiziol. zhur. 42 no.10:877-881 O '56. (MLB 9:12)

1. Kafedra fiziologii cheloveka i zhivotnykh universiteta, Odessa.
(DUODENUM, physiology,
eff. of stimulation on bile & pancreatic juice secretion
in sheep (Rus))
(BILE,
secretion, eff. of duodenal stimulation in sheep (Rus))
(PANCRAS,
juice, eff. of duodenal stimulation in sheep (Rus))

FAYTEL'BERG, R.O., prof., doktor med.nauk, otv.red.; VOROB'YEV, A.I., prof., doktor biolog.nauk, red.; DANILKO, K.Ye., dotsent, kand.filolog.nauk, red.; PAZYUK, L.I., dotsent, kand.geologo-mineral.nauk, red.; ML'KIN, D.G., prof., doktor pedagog.nauk, red.

[Collection commemorating the 50th anniversary of the death of I.M. Sechenov] Sbornik, posviashchennyi 50-letiiu so dnia smerti I.M. Sechenova. Odessa, 1957. 144.p. (Odessa. Universitet. Trudy, vol. 14?) (MIRA 12:4)

1. Odessa. Universitet. 2. Odesskiy gosudarstvennyy universitet im. I.I. Mechnikova (for Faytel'berg, Ml'kin).
(SECHENOV, IVAN MIKHAILOVICH, 1829-1905) (PSYCHOLOGY)
(PHYSIOLOGY)

USSR / Human and Animal Physiology (Normal and Pathological).
Digestion.

T

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60476

Author : Faytel'berg, R. O.; Volya, Z. M.; Alekseyeva, Z. I.

Inst : Odessa University

Title : Glucose, Peptone and Chloride Absorption in the Small
Intestine of Sheep

Orig Pub : Pratsi Odes'k. un-tu. Ser. biol. n., Tr. Odessk. un-ta.
Ser. biol. n., 1957, 147, No 8, 27-33

Abstract : The glucose, peptone and chloride absorption in a loop
of the small intestine isolated, according to Tiri in-
creased with the increase in concentration of the admin-
istered solutions.

Card 1/1

USSR/General Problems of Pathology - Allergy.

U

Abs Jour : Ref Zhur Biol., No 1, 1959, 4080

Author : Tril'chins'kaya, V.P., Faytal'herr, R.O., Zhitets'kaya,
L.L., Anzinye, K., Aplyak, I.V.

Inst : Odessa University.

Title : Alteration of Allergic Reactions of the Sensitized
Organism Following Administration of Caffeine, Bromine
and Strychnine

Orig Pub : Tr. Odessk. un-ta. Ser. biol. n., 1957, 147, No 8, 59-63

Abstract : Rabbits were sensitized with brucellosis antigen.
Prolonged administration (in the course of 10-15 days)
of small doses of strychnine (0.02 mg) or bromine
(0.2 g/kg in the course of 20 days) produced desensiti-
zation of the rabbits. Caffeine intensified the allergic
reactions, while bromides in moderate doses failed to
change the reactivity.

Card 1/1

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Present state of the problem of carbohydrate absorption in the intestines. Fiziol. zhur. [Ukr] 5 no.2:246-260 Mr-Ap '59 (MIRA 12:7)

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(SUGARS) (INTESTINES)

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[Absorption in the digestive apparatus] Vzasyvanie v pishchevari-
tel'nom apparate. Moskva, Gos.izd-vo med.lit-ry Medgiz, 1960. 297 p.
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